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PATENT ABSTRACTS OF JAPAN

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(71) Applicant: NOF CORP

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(54) COSMETIC **CONTAINING SILICONE** COPOLYMER

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject cosmetic excellent in gluey feeling, smoothness and gloss or the like for hair, sun proof, adhesion for manicure, glossiness, water repellency or the like by including a specified silicone copolymer.

SOLUTION: This cosmetic is obtained by including a silicone copolymer of formula I [R1 and R3 are each a divalent aromatic organic residue; R2 is a 1-6C alkylene; R4 and R5 are each a 1-7C hydrocarbon group, substituted hydrocarbon group or (substituted) aromatic group; m is 10-200; n is 0.1-50 based on the average recurring unit number; j is 2-100 based on the recurring unit number] (e.g. a copolymer of formula II). The weight average molecular

weight of the silicone copolymer is preferably 5,000-5,000,000 and the preferable compounding ratios are 1-50 wt.% for make-up cosmetics, 1-20 wt.% for lipstick cosmetics, 0.1-50 wt.% for hair cosmetics and 0.05-50 wt.% for manicure cosmetics.

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$$-\begin{bmatrix} H & R^4 & R^4 & H & D \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots \\ -R - R^2 - (S^1 - G) & n^{-\frac{1}{2}} & -(R^2) - N^{-\frac{1}{2}} & (R^3) \end{bmatrix}$$

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